

ABSTRACT:

Surface-Modified, Doped, Pyrogenically Produced Oxides

Surface-modified, doped, pyrogenically produced oxides surface-modified with one or several compounds from the following groups:

a) Organosilanes of the type  $(RO)_3Si(C_nH_{2n+1})$ ,  $(RO)_3Si(C_nH_{2n-1})$   
b)  $R'_x(RO)_ySi(C_nH_{2n+1})$ ,  $(RO)_3Si(C_nH_{2n+1})$   
c)  $X_3Si(C_nH_{2n+1})$ ,  $X_3Si(C_nH_{2n-1})$   
d)  $X_2(R')Si(C_nH_{2n+1})$ ,  $X_2(R')Si(C_nH_{2n-1})$   
e)  $X(R')_2Si(C_nH_{2n+1})$ ,  $X(R')_2Si(C_nH_{2n-1})$   
f)  $(RO)_3Si(CH_2)_mR'$ ,  
g)  $(R'')_x(RO)_ySi(CH_2)_mR'$ ,  
h)  $X_3Si(CH_2)_mR'$ ,  
i)  $(RX)_2Si(CH_2)_mR'$ ,  
j)  $(R)_2XSi(CH_2)_mR'$ ,  
k) Silazanes of the type  $R'R_2Si-N-SiR_2R'$   
l) Cyclic polysiloxanes,  
m) Polysiloxanes or silicone oils.